

#### Section 1: IDENTIFICATION OF THE MATERIAL AND THE SUPPLIER

##### 1.1. Product identifier

**Product name:** Small Joint Sealer Bronze  
**Product code:** FB781A-B (500ml)  
FB781-B (4 Litre)

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Recommended use:** Sealant  
**Restriction of use:** Refer to Section 15

##### 1.3. Details of the supplier of the safety data sheet

**Company Name:** Glasscorp Limited  
124 Bush Road, North Harbour Industrial Estate, Albany, Auckland, New Zealand  
Tel: +64 9 415 6338 Fax: +64 9 415 6339 Web: glasscorp.co.nz Email: sales@glasscorp.co.nz

##### 1.4. Emergency telephone number

**Emergency telephone:** National Poisons Centre: 0800 764 766

#### Section 2: HAZARDS IDENTIFICATION

##### 2.1. Classification of the substance or mixture

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017  
EPA Approval Code: Surface Coatings and Colourants (Flammable) – HSR002662

##### 2.2. Label elements



**Signal word:** Danger

HSNO classes	Hazard code	Hazard statement	GHS category
3.1B	H225	Highly flammable liquid and vapour.	Flam. Liq. 2
6.1E (asp)	H304	May be fatal if swallowed and enters airways.	Asp. Tox. 1
6.3A	H315	Causes skin irritation.	Skin Irrit. 2
6.8B	H361	Suspected of damaging fertility or the unborn child.	Repr. 2
6.9B	H372	May cause damage to organs through prolonged or repeated exposure.	STOT RE 2
6.9N	H336	May cause drowsiness or dizziness.	STOT SE 3
9.1B	H411	Toxic to aquatic life with long lasting effects.	Aquatic Chronic 2

## Prevention

- P102 - Keep out of reach of children.
- P103 - Read label before use.
- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- P210 - Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- P233 - Keep container tightly closed.
- P240 - Ground/bond container and receiving equipment.
- P241 - Use explosion-proof electrical, ventilating and lighting.
- P242 - Use only non-sparking tools.
- P243 - Take precautionary measures against static discharge.
- P260 - Do not breathe fumes, mist, vapours and spray.
- P264 - Wash hands thoroughly after handling.
- P271 - Use only outdoors or in a well-ventilated area.
- P273 - Avoid release to the environment.
- P280 - Wear protective clothing as detailed in Section 8.
- P281 - Use personal protective equipment as required.

## Response

- P101 - If medical advice is needed, have product container or label at hand.
- P312 - Call a POISON CENTRE or doctor/physician if you feel unwell.
- P331 - Do NOT induce vomiting.
- P362 - Take off contaminated clothing and wash before re-use.
- P391 - Collect spillage.
- P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician.
- P308 + P313 - IF exposed or concerned: Get medical advice/attention.
- P370 + P378 - In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

## Skin

- P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P332 + P313 - If skin irritation occurs: Get medical advice/attention.

## Storage

- P405 - Store locked up.
- P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
- P403 + P235 - Store in a well-ventilated place. Keep cool.

## Disposal

- P501 - Triple rinse and dispose of according to local regulations.

## 2.3. Reference to other sections

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable.

### 3.2. Mixtures

Hazardous ingredients	CAS No	Weight
Naphtha, petroleum, hydrodesulfurized heavy <0.1% w/w Benzene	64742-82-1	20- <40%
Toluene	108-88-3	10 - <20%
Benzene, 1,2,4-trimethyl-	95-63-6	1 - <3%
Zinc, bis(dibutylcarbamodithioato-S,S)-, (T-4)-	136-23-2	0.1- <1%
2-Benzotriazolyl-4-methylphenol	2440-22-4	0.1- <1%
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	0.1- <1%
Non hazardous	Proprietary	To bal

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>If Inhaled</b>	Move person to fresh air. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask, etc). If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.
<b>If on Skin</b>	Take off contaminated clothing and wash before re-use. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.
<b>If in Eyes</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
<b>If Swallowed</b>	DO NOT induce vomiting. Rinse mouth thoroughly. Never give anything by mouth to a victim who is unconscious or is having convulsions. Seek medical attention if needed.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	Refer to Section 11 for full details.
<b>Swallowed</b>	May be fatal if swallowed and enters airways.
<b>Inhaled</b>	May cause drowsiness or dizziness.
<b>Eyes</b>	Not applicable.
<b>Skin</b>	Causes skin irritation.
<b>Chronic</b>	Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

### 4.3. Reference to other sections

Section 11: TOXICOLOGY INFORMATION

## Section 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable extinguishing media** Use CO<sub>2</sub>, dry chemical, or foam.

### 5.2. Special hazards arising from the substance or mixture

<b>Hazard type</b>	Highly flammable liquid.
<b>Hazards from combustion products</b>	Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

### 5.3. Advice for fire-fighters

<b>Precautions for fire-fighters and special protective clothing</b>	Wear self-contained breathing apparatus for fire-fighting if necessary.
<b>HAZCHEM code</b>	3YE

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Equipment and emergency procedures

Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Ensure adequate ventilation, especially in confined areas.  
Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

**Environmental precautions** Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

### 6.3. Methods and material for containment and cleaning up

**Methods for containment** Dike far ahead of spill; use dry sand to contain the flow of material.

**Methods for cleaning up** Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13). Protect from moisture.

### 6.4. Reference to other sections

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Section 13: DISPOSAL CONSIDERATIONS

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

- Read label before use.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Do not eat, drink or smoke when using this product.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical, ventilating and lighting.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Do not breathe fumes, mist, vapours and spray.
- Wash hands thoroughly after handling.
- Avoid contact with skin, eyes or clothing.
- Regular cleaning of equipment, work area and clothing is recommended.
- Use only outdoors or in a well-ventilated area.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.
- Use personal protective equipment as required.

## 7.2. Precautions for safe storage

- Store locked up.
- Keep out of reach of children.
- Store away from strong acids and strong bases.
- Keep away from food, drink and animal feeding stuffs.
- Keep only in the original container or packaging.
- Store in a well-ventilated place. Keep container tightly closed.
- Store in a well-ventilated place. Keep cool.
- Protect from moisture.

## 7.3. References to other sections

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

#### 8.1. Workplace Exposure Standards (provided for guidance only)

Substance	TWA ppm	mg/m <sup>3</sup>	STEL ppm	mg/m <sup>3</sup>
Toluene (skin) (Toluol) [108-88-3]	50	188	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WES-STEL). The 15-minute average exposure standard. Applies to any 15-minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2019 11TH EDITION

#### 8.2. Engineering controls

Ensure adequate ventilation, especially in confined areas.

#### 8.3. Personal Protection Equipment

<b>Eyes</b>	Wear safety glasses with side shields (or goggles).
<b>Hands</b>	Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.
<b>Skin</b>	Wear suitable protective clothing. No special technical protective measures are necessary under normal conditions.
<b>Respiratory</b>	No protective equipment is needed under normal use conditions. Respiratory protection required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of professional filter is recommended.
<b>General</b>	Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Property	Values	Remarks • Method
Appearance	Amber Paste Thixotropic	
Odour	Petroleum distillates	
Odour threshold	Not available	
pH	Not available	
Boiling point	Approx. 110°C	
Melting point	Not available	
Freezing point	Not available	
Flash point	Approx 4°C	
Flammability	Not available	
Upper and lower explosive limits	1.1 to 6.0	
Vapour pressure	Not available	
Density	0.94 g/cm	
Relative density	Not applicable	
Specific gravity	Not applicable	
Soluble in water	Negligible	
Partition coefficient:	Not available	
Auto-ignition temperature	Not available	
Decomposition temperature	Not available	
Kinematic viscosity	Not available	
Solid content (%)	Approx. 59	
VOC	>300 g/L	

## Section 10: STABILITY AND REACTIVITY

### 10.1. Stability of substance

This product is stable under normal conditions.

### 10.2. Possibility of hazardous reactions

None known.

### 10.3. Conditions to avoid

Keep away from heat, sparks and flames.  
Protect from moisture.

### 10.4. Incompatible materials

Strong acids and bases.

### 10.5. Hazardous decomposition products

Carbon oxides.

## Section 11: TOXICOLOGY INFORMATION

### 11.1. Information on toxicological effects

<b>Acute Effects:</b>	<b>Swallowed</b>	Not applicable.
	<b>Dermal</b>	Not applicable.
	<b>Inhalation</b>	May cause drowsiness or dizziness.
	<b>Eye</b>	Not applicable.
	<b>Skin</b>	Causes skin irritation.
<b>Chronic Effects:</b>	<b>Carcinogenicity</b>	Not applicable.
	<b>Reproductive Toxicity</b>	Suspected of damaging fertility or the unborn child.
	<b>Germ Cell Mutagenicity</b>	Not applicable.
	<b>Aspiration</b>	May be fatal if swallowed and enters airways.
	<b>STOT/SE</b>	Not applicable.
	<b>STOT/RE</b>	May cause damage to organs through prolonged or repeated exposure.

#### Unknown acute toxicity

2.889878 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

2.889878 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

33.315438 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

33.315438 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour)

29.045548 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chemical Name	Oral LD <sub>50</sub>	Dermal LD <sub>50</sub>	Inhalation LC <sub>50</sub>
Naphtha, petroleum, hydrodesulfurized heavy <0.1% w/w Benzene 64742-82-	> 5000 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	-
Toluene 108-	= 5580 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	> 20 mg/L (Rat) 4 h
Benzene, 1,2,4-trimethyl- 95-63-6	= 3280 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 18 g/m <sup>3</sup> (Rat) 4 h
Zinc, bis(dibutylcarbamo-dithioato-S,S)-, (T-4)-	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
2-Benzotriazolyl-4-methylphenol	LD <sub>50</sub> >10000 mg/kg (Rat) (OECD 423)	LC <sub>50</sub> >2000 mg/kg (Rat) (OECD 402)	> 1420 mg/m <sup>3</sup> (Rat) 4 h
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-	LD <sub>50</sub> (Rat) > 2000 mg/kg OECD 423	LD <sub>50</sub> (Rat) > 3170 mg/kg OECD 402	= 500 mg/m <sup>3</sup> (Rat) 4 h

## Section 12: ECOTOXICOLOGICAL INFORMATION

### 12.1. Ecotoxicity

HSNO Classes: 9.1B = Toxic to aquatic life with long lasting effects.

Naphtha, petroleum, hydrodesulfurized heavy <0.1% w/w Benzene 64742-82-1	-	96 Hr 4.5-23 mg/L (Pimephales promelas) OECD guideline 203	LC <sub>50</sub> 96 h = 2.6 mg/L (Chaetogammarus marinus) 4.5mg/L (Daphnia magna) OECD guideline 202
Toluene 108-88-3	EC <sub>50</sub> 72 h = 12.5 mg/L (Pseudokirchneriella subcapitata)	LC <sub>50</sub> 96 h 5.89 - 7.81 mg/L (Oncorhynchus mykiss flow-through) LC <sub>50</sub> 96 h = 5.8 mg/L (Oncorhynchus mykiss semi-static)	EC <sub>50</sub> 48 h 5.46 - 9.83 mg/L (Daphnia magna Static) EC <sub>50</sub> 48 h = 11.5 mg/L (Daphnia magna)
Benzene, 1,2,4-trimethyl- 95-63-6	-	LC <sub>50</sub> 96 h 7.19 - 8.28 mg/L (Pimephales promelas flow-through)	EC <sub>50</sub> 48 h = 6.14 mg/L (Daphnia magna)
Zinc, bis(dibutylcarbamo-dithioato-S,S)-, (T-4)-136-23-2	-	LC <sub>50</sub> 96 h = 880 mg/L (Lepomis macrochirus) LC <sub>50</sub> 96 h = 520 mg/L (Oncorhynchus mykiss)	EC <sub>50</sub> 48 h = 0.74 mg/L (Daphnia magna)
2-Benzotriazolyl-4-methylphenol 2440-22-4	-	LC <sub>50</sub> (96h) >0.17 mg/L (Oncorhynchus mykiss) Semi-static (OECD 203)	EC <sub>50</sub> (24h) >1000 mg/L (Daphnia magna) Static (OECD 202)
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9	EC <sub>50</sub> 72Hr 0.705 mg/l (Pseudokirchnerella subcapitata)	LC <sub>50</sub> (96h) = 5.29 mg/l (Oryzias latipes)	LC <sub>50</sub> 48Hr 8.58 mg/l (Daphnia magna)

### 12.2. Persistence and degradability

No data available.

#### Persistence and degradability (components)

**Component Information:** Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)

Method	Exposure time	Value	Results
OECD Test No. 303: Simulation Test - Aerobic Sewage Treatment -- A: Activated Sludge Units; B: Biofilms	28 days	Total organic carbon (TOC)	24 % Moderate

### 12.3. Bioaccumulation

No data available.

#### Bioaccumulative potential (components)

Chemical name	Partition coefficient
Toluene 108-88-3	2.7
Benzene, 1,2,4-trimethyl- 95-63-6	3.63
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9	0.35



#### 12.4. Mobility in soil

No data available.

#### 12.5. Other adverse effects

No data available.

#### 12.6. Other information

Do not allow to enter waterways.

### Section 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

##### Disposal method

Spent media that has removed toxic chemicals should be examined for specific hazards. Spilled product may be recovered for use if it has not come in contact with liquids or been exposed to significant amounts of gaseous contaminants. Dispose of according to local regulations.

Ensure any container holding waste product or contaminated spill media is labelled "Hazardous Waste – Flammable, Chronic, Ecotoxic" and that the label also has the Flammable, Chronic and Ecotoxic pictogram, waste type identifier, and the business name, address, and phone number.

##### Precautions or methods to avoid

Avoid release to the environment.

### Section 14: TRANSPORT INFORMATION

This product is classified as a Dangerous Good for transport in NZ; NZS 5433:2012



#### Road, Rail, Sea and Air Transport

<b>UN No</b>	1133
<b>Class - Primary</b>	3
<b>Packing group</b>	II
<b>Proper shipping name</b>	Adhesives containing flammable liquid (Zinc, bis(dibutylcarbamodithioato-S,S) -, (T-4)-
<b>Marine pollutant</b>	Yes
<b>Special provisions</b>	If the product's individual container is below 5L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

### Section 15: REGULATORY INFORMATION

<b>EPA Approval Code</b>	Surface Coatings and Colourants (Flammable) – HSR002662
<b>HSNO Classification</b>	3.1B, 6.1E(asp), 6.3A, 6.8B, 6.9B, 6.9N, 9.1B

HSW (HS) Regulations 2017	Trigger Quantity
Certified handlers	Not required
Location certificate	100L(>5L), 250L(<5L), 50L open
Signage trigger quantities (Schedule 3)	250L (3.1B)
Emergency response plan (Schedule 5)	1000L(3.1B)
Secondary containment (Schedule 5)	1000L(3.1B)
Tracking (Schedule 26)	Not required
Fire extinguishers	250L = 2 x required
Restriction of use	Only for intended use

## Section 16: OTHER INFORMATION

### Glossary

AWC	Aggregate Water Capacity.
EC <sub>50</sub>	Median Effective Concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority.
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal Concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal Dose to kill 50% of test animals/organisms.
LEL	Lower Explosive Level.
OSHA	American Occupational Safety and Health Administration.
STEL	Short Term Exposure Limit.
STOT RE	Specific Target Organ Toxicity - Repeated Exposure.
STOT SE	Specific Target Organ Toxicity - Single Exposure.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value - an exposure limit set by responsible authority.
UEL	Upper Explosive Level.
WES	Workplace Exposure Limit.

### References

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017.
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous Goods on land NZS 5433:2012.
5. HSW (Hazardous Substances) Regulations 2017.

<b>Prepared by</b>	Glasscorp Limited
<b>Revision date</b>	02/09/2021
<b>Revision note</b>	-
<b>Training advice</b>	No information available

**Disclaimer**

This document has been issued by Glasscorp Limited and serves as the product Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to Glasscorp Limited by the Manufacturer and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While Glasscorp Limited have taken all due care to include accurate and up to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Glasscorp Limited accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS. The information herein is given in good faith, but no warranty, express or implied is made. Please contact Glasscorp Limited, if further information is required.

**End of Safety Data Sheet**